

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicant: SHEN et al.  
Application No.: 10/646,664  
For: METHODS OF DIRECTING C-O BOND FORMATION  
UTILIZING A TYPE II POLYKETIDE SYNTHASE SYSTEM  
Filed: August 22, 2003  
Group Art Unit: 1656  
Examiner: KAM, Chih Min  
Confirmation No.: 3619  
Attorney Docket No.: 054030-0031

Mail Stop Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**AMENDMENT AND RESPONSE**

In response to the Office Action dated March 24, 2006, a one-month extension being hereby requested, please amend the above-identified application as indicated below.

**Amendments to the Specification** begin on page 2 of this paper.

**Amendments to the Claims** are reflected in the Listing of Claims which begins on page 5 of this paper.

**Amendments to the Drawings** begin on page 11 of this paper and include both an attached replacement sheet and an annotated sheet showing changes.

**Remarks/Arguments** begin on page 12 of this paper.

An **Appendix 1** including amended drawing figures is attached following page 21 of this paper.

An **Appendix 2** including a replacement sequence listing and statement under 37 CFR 1.825 is attached following Appendix 1 of this paper.